IN THE CLAIMS:

1. (Previously Amended) A multi-channel optical transceiver module, comprising:

a) a plurality of optical connector mountings;

b) a plurality of optical subassemblies (OSA) each configured to be fixedly mounted in one of the optical connector mountings, wherein each of the OSA is configured to transform a first optical signal to a first electrical signal and to transform a second processed electrical signal to a second optical signal;

c) a signal processing IC unit electrically coupled to the plurality of OSA, configured to process the first electrical signal to produce a first processed electrical signal and to process a second electrical signal to produce the second processed electrical signal; and

d) an electrical connector unit electrically coupled to the signal processing IC unit, configured to output the first processed electrical signal and to transmit the second electrical signal to the signal processing IC unit.

2. (Previously Amended) The multi-channel optical transceiver module of claim 1, further comprising a Micro Processing Unit configured to monitor the operation status of the plurality of OSA and to transmit the operation status information to the signal processing IC unit.

3. (Previously Amended) The multi-channel optical transceiver module of claim 2, further comprising an EEPROM configured to store the operation status information.

4. (Previously Amended) The multi-channel optical transceiver module of claim 1, further comprising an ESD grounding unit configured to shield electromagnetism interference from the electrical connector unit.

Claim 5. Canceled.

6. (Previously Amended) The multi-channel optical transceiver module of claim 1, further comprising a handle coupled to the plurality of optical connector mountings for easy

plug-in or pullout of the multi-channel optical transceiver module.

7. (Previously Amended) The multi-channel optical transceiver module of claim 1, further comprising an indicator light configured to indicate the operation status of the multi-channel optical transceiver module.

8. (Previously Amended) The multi-channel optical transceiver module of claim 1, wherein the signal processing IC unit is disposed on a printed circuit board.

9. (Previously Amended) The multi-channel optical transceiver module of claim 1, wherein at least one of the plurality of optical connector mountings includes a snap-on mechanism to enable one of the OSA to be fixedly mounted in the optical connector mountings.

10. (Previously Amended) The multi-channel optical transceiver module of claim 1, wherein at least one of the plurality of optical connector mountings includes a groove to receive one of the OSA.

11. (Previously Presented) The multi-channel optical transceiver module of claim 1, wherein the plurality of OSA are configured to transform four channels of optical signals to electrical or to transform four channels of processed electrical signals to optical signals.

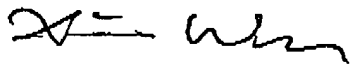
Claims 12-20. Canceled.

CONCLUSION

Applicants believe that the above discussion is fully responsive to the Office Action.

If for any reasons the Examiner believes a telephone conference would in any way expedite resolution of the issues raised in this appeal, the Examiner is invited to telephone the undersigned at 650-856-8600.

Respectfully submitted,



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